

Hydric Soils List

FIELD OFFICE TECHNICAL GUIDE Sec. II
HYDRIC SOIL INTERPRETATIONS

Buchanan County, Iowa

| Map symbol and map unit name | Component | Hydric | Local landform | Hydric soils criteria | | | | Acres |
|--|-----------|--------|----------------|-----------------------|---------------------------|-------------------------|------------------------|--------|
| | | | | Hydric criteria code | Meets saturation criteria | Meets flooding criteria | Meets ponding criteria | |
| 41: SPARTA LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES | SPARTA | No | --- | --- | --- | --- | --- | 1,031 |
| | WATSEKA | No | --- | --- | --- | --- | --- | 54 |
| 41B: SPARTA LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES | SPARTA | No | --- | --- | --- | --- | --- | 9,890 |
| | BURKHARDT | No | --- | --- | --- | --- | --- | 520 |
| 41C: SPARTA LOAMY FINE SAND, 5 TO 9 PERCENT SLOPES | SPARTA | No | --- | --- | --- | --- | --- | 679 |
| | OTHER | No | --- | --- | --- | --- | --- | 36 |
| 63B: CHELSEA LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES | CHELSEA | No | --- | --- | --- | --- | --- | 3,168 |
| | LAMONT | No | --- | --- | --- | --- | --- | 167 |
| 63C: CHELSEA LOAMY FINE SAND, 5 TO 9 PERCENT SLOPES | CHELSEA | No | --- | --- | --- | --- | --- | 622 |
| | LAMONT | No | --- | --- | --- | --- | --- | 33 |
| 83B: KENYON LOAM, 2 TO 5 PERCENT SLOPES | KENYON | No | --- | --- | --- | --- | --- | 61,749 |
| | FLOYD | No | --- | --- | --- | --- | --- | 3,430 |
| | READLYN | No | --- | --- | --- | --- | --- | 3,430 |
| 83C: KENYON LOAM, 5 TO 9 PERCENT SLOPES | KENYON | No | --- | --- | --- | --- | --- | 380 |
| 83C2: KENYON LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED | KENYON | No | --- | --- | --- | --- | --- | 1,540 |
| 84: CLYDE CLAY LOAM, 0 TO 3 PERCENT SLOPES | CLYDE | Yes | drainageway | 2B3 | YES | NO | NO | 18,742 |
| | MARSHAN | Yes | terrace | 2B3 | YES | NO | NO | 1,102 |
| | PALMS | Yes | flat | 2B3,3 | YES | NO | YES | 1,102 |
| | SCHLEY | No | --- | --- | --- | --- | --- | 1,102 |

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| 109B: BACKBONE FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES | BACKBONE | No | --- | --- | --- | --- | --- | 630 |
| 110: LAMONT FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES | LAMONT | No | --- | --- | --- | --- | --- | 223 |
| | CHELSEA | No | --- | --- | --- | --- | --- | 12 |
| 110B: LAMONT FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | LAMONT | No | --- | --- | --- | --- | --- | 1,244 |
| | CHELSEA | No | --- | --- | --- | --- | --- | 66 |
| 141: WATSEKA LOAMY FINE SAND, 1 TO 3 PERCENT SLOPES | WATSEKA | No | --- | --- | --- | --- | --- | 318 |
| | OTHER | Yes | flat | 2B2 | YES | NO | NO | 17 |
| 151: MARSHAN CLAY LOAM, 24 TO 32 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES | MARSHAN | Yes | terrace | 2B3 | YES | NO | NO | 1,400 |
| | PALMS | Yes | flat | 2B3 | YES | NO | NO | 78 |
| | WATSEKA | No | --- | --- | --- | --- | --- | 78 |
| 152: MARSHAN CLAY LOAM, 32 TO 40 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES | MARSHAN | Yes | terrace | 2B3 | YES | NO | NO | 2,556 |
| | PALMS | Yes | flat | --- | --- | --- | --- | 142 |
| | WATSEKA | No | --- | --- | --- | --- | --- | 142 |
| 159: FINCHFORD LOAMY SAND, 0 TO 2 PERCENT SLOPES | FINCHFORD | No | --- | --- | --- | --- | --- | 995 |
| 159C: FINCHFORD LOAMY SAND, 2 TO 9 PERCENT SLOPES | FINCHFORD | No | --- | --- | --- | --- | --- | 510 |
| 171B: BASSETT LOAM, 2 TO 5 PERCENT SLOPES | BASSETT | No | --- | --- | --- | --- | --- | 5,938 |
| | OTHER | No | --- | --- | --- | --- | --- | 312 |
| 171C2: BASSETT LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED | BASSETT | No | --- | --- | --- | --- | --- | 525 |

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| 175: DICKINSON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES | DICKINSON | No | --- | --- | --- | --- | --- | 466 |
| | SPARTA | No | --- | --- | --- | --- | --- | 24 |
| 175B: DICKINSON FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | DICKINSON | No | --- | --- | --- | --- | --- | 1,758 |
| | SPARTA | No | --- | --- | --- | --- | --- | 92 |
| 177: SAUDE LOAM, 0 TO 2 PERCENT SLOPES | SAUDE | No | --- | --- | --- | --- | --- | 3,680 |
| 177B: SAUDE LOAM, 2 TO 5 PERCENT SLOPES | SAUDE | No | --- | --- | --- | --- | --- | 247 |
| | GRAVELLY LOAM SAND | No | --- | --- | --- | --- | --- | 13 |
| 178: WAUKEE LOAM, 0 TO 2 PERCENT SLOPES | WAUKEE | No | --- | --- | --- | --- | --- | 850 |
| | OTHER | No | --- | --- | --- | --- | --- | 45 |
| 184: KLINGER SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES | KLINGER | No | --- | --- | --- | --- | --- | 1,188 |
| | OTHER | Yes | flat | 2B3 | YES | NO | NO | 62 |
| 198B: FLOYD LOAM, 1 TO 4 PERCENT SLOPES | FLOYD | No | --- | --- | --- | --- | --- | 8,008 |
| | OTHER | Yes | flat | 2B3 | YES | NO | NO | 422 |
| 205B: WHALAN SILT LOAM, 30 TO 40 INCHES TO LIMESTONE, 2 TO 5 PERCENT SLOPES | WHALAN | No | --- | --- | --- | --- | --- | 361 |
| | LIMESTONE BEDROCK | No | --- | --- | --- | --- | --- | 19 |
| 207B: WHALAN SILT LOAM, 20 TO 30 INCHES TO LIMESTONE, 2 TO 5 PERCENT SLOPES | WHALAN | No | --- | --- | --- | --- | --- | 450 |
| 213B: ROCKTON LOAM, 30 TO 40 INCHES TO LIMESTONE, 2 TO 6 PERCENT SLOPES | ROCKTON | No | --- | --- | --- | --- | --- | 603 |
| | ATKINSON | No | --- | --- | --- | --- | --- | 32 |

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| 214: ROCKTON LOAM, 20 TO 30 INCHES TO LIMESTONE, 0 TO 2 PERCENT SLOPES | ROCKTON | No | --- | --- | --- | --- | --- | 355 |
| 221: PALMS MUCK, 1 TO 4 PERCENT SLOPES | PALMS | Yes | flat | 1,3 | NO | NO | YES | 590 |
| 225: LAWLER LOAM, 24 TO 32 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES | LAWLER | No | --- | --- | --- | --- | --- | 1,662 |
| | OTHER | Yes | terrace | 2B3 | YES | NO | NO | 88 |
| 226: LAWLER LOAM, 32 TO 40 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES | LAWLER | No | --- | --- | --- | --- | --- | 437 |
| | OTHER | Yes | terrace | 2B3 | YES | NO | NO | 23 |
| 241B: BURKHARDT-SAUDE COMPLEX, 2 TO 5 PERCENT SLOPES | BURKHARDT | No | --- | --- | --- | --- | --- | 897 |
| | SAUDE | No | --- | --- | --- | --- | --- | 598 |
| 284: FLAGLER SANDY LOAM, 0 TO 2 PERCENT SLOPES | FLAGLER | No | --- | --- | --- | --- | --- | 2,384 |
| | OTHER | No | --- | --- | --- | --- | --- | 126 |
| 284B: FLAGLER SANDY LOAM, 2 TO 5 PERCENT SLOPES | FLAGLER | No | --- | --- | --- | --- | --- | 710 |
| 290: DELLS SILT LOAM, 0 TO 2 PERCENT SLOPES | DELLS | No | --- | --- | --- | --- | --- | 328 |
| | OTHER | Yes | terrace | 2B3 | YES | NO | NO | 17 |
| 354: AQUOLLS, PONDED | AQUOLLS | Yes | depression | 3,2B3 | YES | NO | YES | 330 |
| 377B: DINSDALE SILT LOAM, 2 TO 5 PERCENT SLOPES | DINSDALE | No | --- | --- | --- | --- | --- | 755 |
| 382: MAXFIELD SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES | MAXFIELD | Yes | flat | 2B3 | YES | NO | NO | 1,270 |
| 391B: CLYDE-FLOYD COMPLEX, 1 TO 4 PERCENT SLOPES | CLYDE | Yes | drainageway | 2B3 | YES | NO | NO | 55,860 |

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| | FLOYD | No | --- | --- | --- | --- | --- | 27,930 |
| | PALMS | Yes | flat | 2B3 | YES | NO | NO | 4,655 |
| | SCHLEY | No | --- | --- | --- | --- | --- | 4,655 |
| 398: TRIPOLI CLAY LOAM, 0 TO 2 PERCENT SLOPES | TRIPOLI | Yes | flat | 2B3 | YES | NO | NO | 9,922 |
| | READLYN | No | --- | --- | --- | --- | --- | 551 |
| | WATSEKA | No | --- | --- | --- | --- | --- | 551 |
| 399: READLYN LOAM, 1 TO 3 PERCENT SLOPES | READLYN | No | --- | --- | --- | --- | --- | 26,519 |
| | OTHER | Yes | flat | 2B3 | YES | NO | NO | 1,396 |
| 407B: SCHLEY LOAM, 1 TO 4 PERCENT SLOPES | SCHLEY | No | --- | --- | --- | --- | --- | 2,304 |
| | OTHER | Yes | flat | 2B3 | YES | NO | NO | 121 |
| 408B: OLIN FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | OLIN | No | --- | --- | --- | --- | --- | 19,227 |
| | FLOYD | No | --- | --- | --- | --- | --- | 1,131 |
| | KENYON | No | --- | --- | --- | --- | --- | 1,131 |
| | SCHLEY | No | --- | --- | --- | --- | --- | 679 |
| | SPARTA | No | --- | --- | --- | --- | --- | 452 |
| 408C: OLIN FINE SANDY LOAM, 5 TO 9 PERCENT SLOPES | OLIN | No | --- | --- | --- | --- | --- | 1,030 |
| | OTHER | No | --- | --- | --- | --- | --- | 57 |
| | SPARTA | No | --- | --- | --- | --- | --- | 57 |
| 412C: SOGN LOAM, 2 TO 9 PERCENT SLOPES | SOGN | No | --- | --- | --- | --- | --- | 508 |
| | ls or sand surf | No | --- | --- | --- | --- | --- | 27 |
| 471: ORAN LOAM, 1 TO 3 PERCENT SLOPES | ORAN | No | --- | --- | --- | --- | --- | 8,327 |
| | OTHER | Yes | flat | 2B3 | YES | NO | NO | 438 |
| 485: SPILLVILLE LOAM, 0 TO 2 PERCENT SLOPES | SPILLVILLE | No | --- | --- | --- | --- | --- | 884 |
| | OTHER | Yes | flood plain | 2B3,4 | YES | YES | NO | 46 |

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| 499B: NORDNESS LOAM, 2 TO 5 PERCENT SLOPES | NORDNESS | No | --- | --- | --- | --- | --- | 280 |
| 499D: NORDNESS LOAM, 5 TO 14 PERCENT SLOPES | NORDNESS | No | --- | --- | --- | --- | --- | 490 |
| 499F: NORDNESS LOAM, 14 TO 30 PERCENT SLOPES | NORDNESS | No | --- | --- | --- | --- | --- | 361 |
| | CHELSEA | No | --- | --- | --- | --- | --- | 19 |
| 585: SPILLVILLE-COLAND COMPLEX, 0 TO 2 PERCENT SLOPES | SPILLVILLE | No | --- | --- | --- | --- | --- | 1,958 |
| | COLAND | Yes | flood plain | 2B3 | YES | NO | NO | 1,566 |
| | OTHER | No | --- | --- | --- | --- | --- | 392 |
| 663B: SEATON SILT LOAM, 2 TO 5 PERCENT SLOPES | SEATON | No | --- | --- | --- | --- | --- | 210 |
| 663C2: SEATON SILT LOAM, 5 TO 14 PERCENT SLOPES, MODERATELY ERODED | SEATON | No | --- | --- | --- | --- | --- | 275 |
| 663F: SEATON SILT LOAM, 14 TO 30 PERCENT SLOPES | SEATON | No | --- | --- | --- | --- | --- | 337 |
| | ls or sand surf | No | --- | --- | --- | --- | --- | 18 |
| 725: HAYFIELD LOAM, 24 TO 32 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES | HAYFIELD | No | --- | --- | --- | --- | --- | 2,498 |
| | OTHER | Yes | terrace | 2B3 | YES | NO | NO | 132 |
| 761: FRANKLIN SILT LOAM, 1 TO 3 PERCENT SLOPES | FRANKLIN | No | --- | --- | --- | --- | --- | 907 |
| | OTHER | Yes | flat | 2B3 | YES | NO | NO | 48 |
| 776: LILAH SANDY LOAM, 0 TO 2 PERCENT SLOPES | LILAH | No | --- | --- | --- | --- | --- | 635 |
| 776C: LILAH SANDY LOAM, 2 TO 9 PERCENT SLOPES | LILAH | No | --- | --- | --- | --- | --- | 1,090 |
| 777: WAPSIE LOAM, 0 TO 2 PERCENT SLOPES | WAPSIE | No | --- | --- | --- | --- | --- | 2,294 |

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| | OTHER | No | --- | --- | --- | --- | --- | 121 |
| 782B: DONNAN LOAM, 2 TO 6 PERCENT SLOPES | DONNAN | No | --- | --- | --- | --- | --- | 1,159 |
| | OTHER | Yes | hill | 2B3 | YES | NO | NO | 61 |
| 798B: PROTIVIN LOAM, 1 TO 4 PERCENT SLOPES | PROTIVIN | No | --- | --- | --- | --- | --- | 831 |
| | OTHER | Yes | hill | 2B3 | YES | NO | NO | 44 |
| 807B: SCHLEY VARIANT SANDY LOAM, 1 TO 4 PERCENT SLOPES | SCHLEY VARIANT | No | --- | --- | --- | --- | --- | 1,249 |
| | OTHER | Yes | drainageway | 2B3 | YES | NO | NO | 66 |
| 809B: BERTRAM FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES | BERTRAM | No | --- | --- | --- | --- | --- | 795 |
| 813: ATKINSON LOAM, 0 TO 2 PERCENT SLOPES | ATKINSON | No | --- | --- | --- | --- | --- | 361 |
| | ls or sand surf | No | --- | --- | --- | --- | --- | 19 |
| 883B: CRESCO LOAM, 2 TO 5 PERCENT SLOPES | CRESCO | No | --- | --- | --- | --- | --- | 4,550 |
| | KENYON | No | --- | --- | --- | --- | --- | 240 |
| 1585: SPILLVILLE-COLAND COMPLEX, CHanneled, 0 TO 2 PERCENT SLOPES | SPILLVILLE | No | --- | --- | --- | --- | --- | 7,700 |
| | COLAND | Yes | flood plain | 2B3,4 | YES | YES | NO | 5,775 |
| | OTHER | No | --- | --- | --- | --- | --- | 2,888 |
| | OTHER | Yes | oxbow | 3,2B3 | YES | NO | YES | 2,888 |
| 5010: PITS, SAND AND GRAVEL | PITS, SAND AND GRAVEL | Unranked | --- | --- | --- | --- | --- | 140 |
| 5030: PITS, LIMESTONE QUARRIES | PITS, LIMESTONE QUARRY | Unranked | --- | --- | --- | --- | --- | 210 |
| 5040: ORTHENTS, LOAMY | ORTHENTS | Unranked | --- | --- | --- | --- | --- | 228 |
| | SAND | No | --- | --- | --- | --- | --- | 12 |